SUMMARY

Waste Management consists of the Solid Waste Storage and Disposal, Project Baseline Summary (PBS) WM03, Work Breakdown Structure (WBS) 1.2.1; Solid Waste Treatment, PBS WM04, WBS 1.2.2; Liquid Effluents, PBS WM05, WBS 1.2.3; and Analytical Services, PBS WM06, WBS 1.2.4.

The Carlsbad Area Office (CAO) Waste Isolation Pilot Plant (WIPP) certification audit of the Hanford Program was completed on July 16, 1999. The issues found were approximately one-third of the number found in a typical initial site audit. The CAO Quality Control (QC) manager stated that this was the best initial site audit he had ever seen.

Transuranic (TRU) waste retrieval was initiated 14 months ahead of the Tri-Party Agreement (TPA) milestone (M-91-04). Two hundred suspect TRU drums in Trench 29 have been sorted for non-destructive assay (NDA). A contract with Mobile Characterization Services (MCS) was placed to perform the NDA on the drums.

The 242-A Evaporator campaign 99-01 was initiated on July 25, 1999, and is expected to be complete by August 20, 1999.

The 2706-T Facility was upgraded to comply with the Washington State Department of Ecology secondary containment and leak detection requirements. The facility will be used for waste treatment and equipment decontamination services.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, Field Office, and RL) shows sixteen milestones (94 percent) were completed on or ahead of schedule and one milestone (6 percent) is overdue. Details can be found in the Milestone Exception Report on D: 8.

ACCOMPLISHMENTS

- 3,600 cubic meters of Low Level Waste (LLW) have been disposed in the burial grounds FYTD. (Planned)

- Processed 70 million gallons (FYTD) of wastewater through the 200 Effluent Treatment Facility and 300 Area Treated Effluent Disposal Facility supporting: Tank Waste Remediation System (TWRS), Environmental Restoration Contract (ERC) 200-UP-1 Groundwater, N-Basin Water, Environmental Restoration Disposal Facility (ERDF) Leachate, and Pacific Northwest National Laboratory (PNNL) 300 Area Facilities. (Planned)

- Produced 12.2 Analytical Equivalency Units (AEU) at the 222-S Laboratory (FYTD) in support of the TWRS tank characterization program. (Planned)

- The Waste Receiving and Processing (WRAP) facility has completed Nondestructive Examinations (NDE) on 445 drums of TRU waste, and Nondestructive Assays (NDA) on 286 drums of TRU waste. Head gas sampling was completed on 67 TRU drums (FYTD) at the 2706-T Facility.

(Planned)

- The Phase 1 TRU Retrieval Plan was issued on July 30, 1999. (Ahead of schedule)

- Demonstrated in-trench encasement of Contact Handled (CH) Category 3 Low Level Waste that reduces disposal volumes and improves trench utilization.

COST PERFORMANCE ($M):

	BCWP	ACWP	VARIANCE
Waste Management	$94.6	$90.7	+$3.9

The $3.9 million (4.1 percent) favorable cost variance is within established threshold.

SCHEDULE PERFORMANCE ($M):

	BCWP	BCWS	VARIANCE
Waste Management	$94.6	$99.4	-$4.8

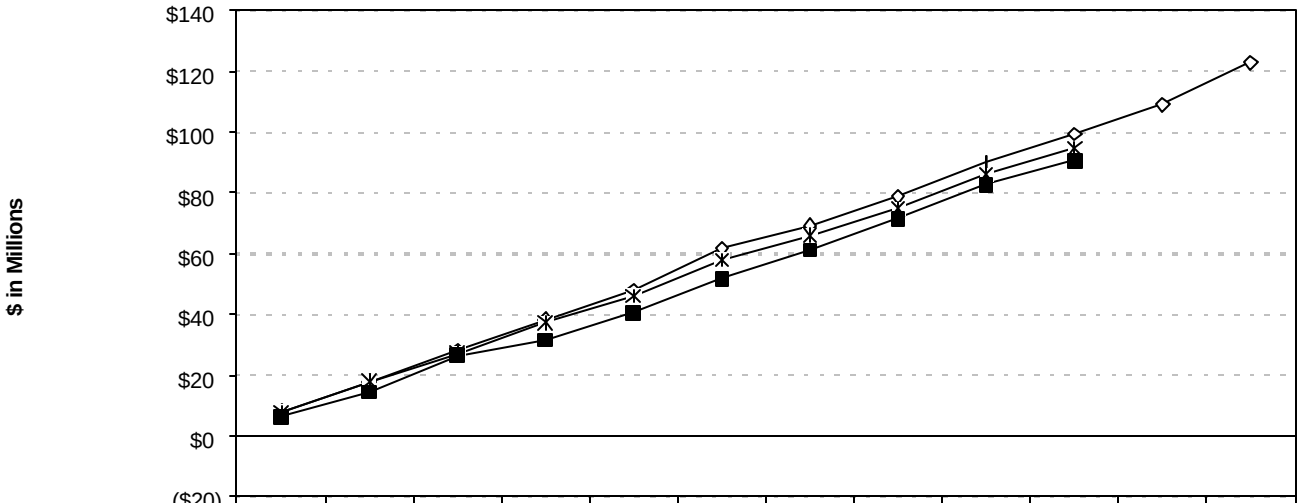
The $4.8 million (4.8 percent) unfavorable schedule variance is within established threshold.

ISSUES

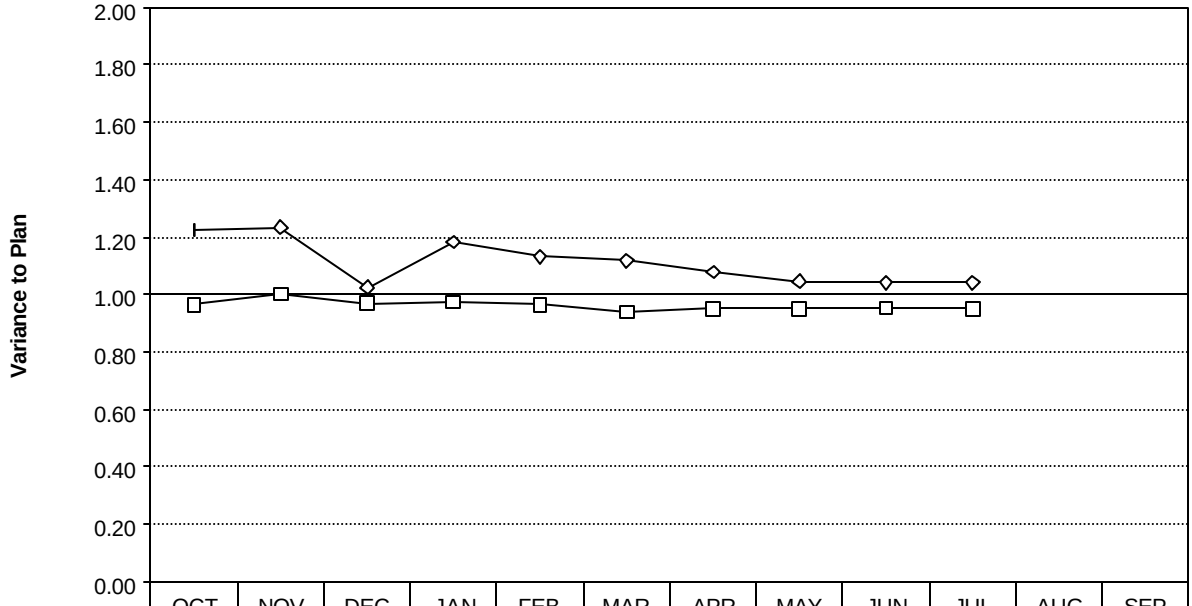
1) **The Waste Management Programmatic Environmental Impact Statement (PEIS) is expected to be issued this fiscal year.** The Records of Decision for LLW and MLLW will affect Hanford's disposal role for the Complex. The ROD outcomes may have a significant impact on disposal volumes at Hanford, disposal rates, etc.

   Strategy/Status: Recent discussions on the WM PEIS RODs have been held between DOE-HQ and Washington State Department of Ecology. This issue is still being resolved.

WASTE MANAGEMENT
WBS 1.2
FY 1999 COST/SCHEDULE PERFORMANCE - ALL FUND TYPES
Cumulative to Date Status



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
FYSF												
PTS BCWS	8.2	18.0	28.1	38.3	47.8	61.7	69.4	78.9	90.3	99.4	109.1	122.9
BCWP	7.9	18.0	27.2	37.3	46.1	58.0	66.1	74.9	86.1	94.6		
ACWP	6.5	14.6	26.6	31.5	40.7	51.9	61.2	71.6	82.7	90.7		
SV	(0.3)	0.0	(0.9)	(1.0)	(1.7)	(3.7)	(3.3)	(4.0)	(4.2)	(4.8)		
CV	1.5	3.4	0.6	5.7	5.4	6.1	4.8	3.3	3.4	3.9		



	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
SPI	0.97	1.00	0.97	0.97	0.96	0.94	0.95	0.95	0.95	0.95		
CPI	1.23	1.23	1.02	1.18	1.13	1.12	1.08	1.05	1.04	1.04		

WASTE MANAGEMENT
WBS 1.2

			FYTD					AUTH	PTS
			~~BCWS~~	~~BCWP~~	~~ACWP~~	~~SV~~	~~CV~~	~~BSLN~~	~~BCWS~~
1.2.1.	Solid Waste	Expense	28.6	27.7	23.8	(0.9)	3.9	34.2	35.5
WM03	Stor & Disposal	CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	~~0.0~~	~~0.0~~	~~0.0~~	~~0.0~~	~~0.0~~	~~0.0~~	~~0.0~~
	Subtotal 1.2.1.1		28.6	27.7	23.8	(0.9)	3.9	34.2	35.5
1.2.2.	Solid Waste	Expense	23.2	20.2	21.2	(3.0)	(1.0)	28.7	28.7
WM04	Treatment	CENRTC	0.1	0.0	0.0	(0.1)	(0.0)	0.1	0.1
		GPP/LI	~~0.5~~	~~0.5~~	~~0.5~~	~~0.0~~	~~0.0~~	~~0.5~~	~~0.5~~
	Subtotal 1.2.2.1		23.8	20.7	21.7	(3.1)	(1.0)	29.3	29.3
1.2.3.	Liquid Effluents	Expense	23.5	23.4	22.5	(0.1)	0.9	30.0	29.2
WM05		CENRTC	0.0	0.0	0.0	0.0	0.0	0.0	0.0
		GPP/LI	~~0.0~~	~~0.0~~	~~(0.6)~~	~~0.0~~	~~0.6~~	~~0.0~~	~~0.0~~
	Subtotal 1.2.3.1		23.5	23.4	21.9	(0.1)	1.5	28.9	29.2
1.2.4.	Analytical Services	Expense	21.4	20.8	21.2	(0.6)	(0.4)	26.4	26.5
WM06		CENRTC	0.2	0.1	0.1	(0.1)	0.1	0.3	0.3
		GPP/LI	~~1.9~~	~~1.9~~	~~2.1~~	~~(0.0)~~	~~(0.2)~~	~~2.1~~	~~2.1~~
	Subtotal 1.2.4.1		23.5	22.8	23.4	(0.7)	(0.5)	28.8	28.9
Total Waste Management		Expense	96.7	92.1	88.6	(4.6)	3.4	118.2	119.9
		CENRTC	0.3	0.1	0.1	(0.2)	0.1	0.4	0.4
		GPP/LI	~~2.4~~	~~2.4~~	~~2.0~~	~~(0.0)~~	~~0.4~~	~~2.6~~	~~2.6~~
	Total		99.4	94.6	90.7	(4.8)	3.9	121.2	122.9

$ In Millions

*The $1.7M difference between the PTS BCWS and the AUTH BSLN (authorized baseline) columns is BCWS adjustment for other site contractors.

COST VARIANCE ANALYSIS: (+$3.9M)

WBS/PBS	Title
1.2.1/WM03	**Solid Waste Storage & Disposal**

Description/Cause: The favorable cost variance of $3.9M (14 percent) is due to a credit variance distribution ($1.3M), a FY 1998 fee accrual reversal ($1.1M), and a reduction in the FY 1999 fee accrual. Also contributing to the favorable variance are efficiencies realized in facility preventive maintenance activities, and a diversion of resources to address 2706-T Facility readiness activities.
Impact: Current projections indicate the underrun will continue.
Corrective Action: No corrective action required. Projected underruns will offset projected overruns in other Waste Management activities.

1.2.2/WM04	**Solid Waste Treatment**

Description/Cause: The unfavorable cost variance of $1.0M (5 percent) is attributed to incremental cost for T Plant maintenance, environmental and Radcon activities due to the inability to place the facility into cold standby, and increased costs for preparation of the CAO WIPP certification audit.
Impact: Current projections indicate the overrun position will continue.
Corrective Action: No corrective action required. Underruns in other Waste Management workscope will offset the projected overrun in the Solid Waste Treatment workscope.

1.2.3/WM05	**Liquid Effluents**

Description/Cause: The favorable cost variance of $1.5M (6 percent) is due to staff vacancies, under usage of contract support, and reduced sample analysis costs.
Impact: Current projections indicate the underrun will continue.
Corrective Action: No corrective action required

1.2.4/WM06	**Analytical Services**

Description/Cause: The unfavorable cost variance of $0.5M (2 percent) is within established threshold.
Impact: N/A
Corrective Action: None required.

SCHEDULE VARIANCE ANALYSIS: (-$4.8)

WBS/PBS **Title**

1.2.1/ WM03 **Solid Waste Storage & Disposal**

Description /Cause: The unfavorable schedule variance of $0.9M (3 percent) is within established threshold.
Impact: None.
Corrective Action: None required.

1.2.2/WM04 **Solid Waste Treatment**

Description /Cause: The unfavorable schedule variance of $3.1M (13 percent) is due to delays in nondestructive assay (NDA) and nondestructive examination (NDE) processing of transuranic (TRU) waste containers at WRAP. The delays, due to personnel shortages and glovebox equipment problems, continue to impact production activities. Also contributing to the variance is delayed shipment and treatment of waste to Allied Technology Group (ATG) due to difficulties in obtaining Resource Conservation and Recovery Act of 1976 (RCRA) permitting and resultant construction delays.

Impact: The ATG RCRA permit was effective July 7, 1999, and construction has been initiated. Shipment of waste will be initiated in September 1999, and non-thermal treatment of waste will be deferred to FY 2000.
Corrective Action: WRAP engineering is continuing to work to resolve facility-processing issues. A baseline change request is in process to defer treatment of non-thermal waste by the ATG contractor to FY 2000.

1.2.3/WM05 **Liquid Effluents**

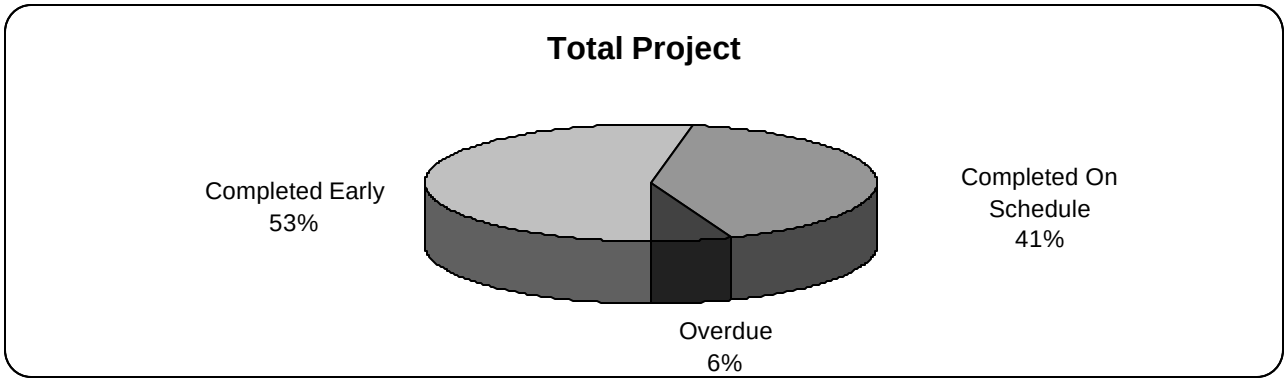
Description /Cause: The unfavorable schedule variance of $0.1M (less than 1 percent) is within established threshold.
Impact: None
Corrective Action: None required.

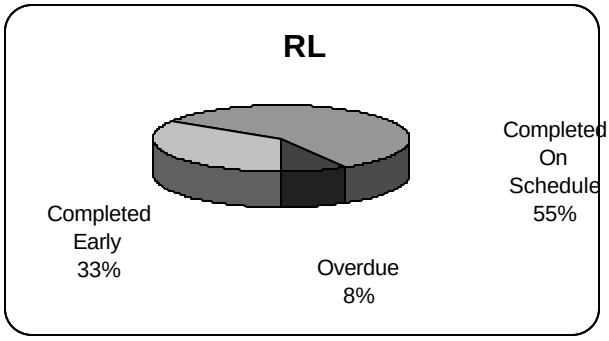
1.2.4/WM06 **Analytical Services**

Description /Cause: The unfavorable schedule variance of $0.7M (3 percent) is within established threshold.
Impact: None
Corrective Action: None required

WASTE MANAGEMENT – WBS 1.2
MILESTONE ACHIEVEMENT

MILESTONE TYPE	FISCAL YEAR-TO-DATE				REMAINING SCHEDULED			TOTAL FY 1999
	Completed Early	Completed On Schedule	Completed Late	Overdue	Forecast Early	Forecast On Schedule	Forecast Late	
Enforceable Agreement	4	0	0	0	0	3	0	7
DOE-HQ	0	0	0	0	0	0	0	0
FO	1	0	0	0	0	1	0	2
RL	4	7	0	1	0	9	0	21
Total Project	9	7	0	1	0	13	0	30





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MILESTONE EXCEPTION REPORT

Number/WBS	Level	Milestone Title	Baseline Date	Forecast Date

OVERDUE – 1

SWD-99-013 1.2.1.2	**RL**	Initiate Disposal Operations at Mixed Waste Trench 34	6/30/99	6/30/00

Cause: Due to FY 1999 funding limitations, the mixed waste trench operations workscope was deferred to FY 2000 (documented on a previously approved BCR). However, the approved BCR did not address the agreed-to deferral of the associated milestone.
Impact: Operation of the Mixed Waste Trench in the disposal mode will be deferred to FY 2000. This deferral was addressed in BCR WM-99-001, which was approved on January 26, 1999.
Corrective Action: A revised baseline change request is in process to revise the milestone planned forecast date to June 30, 2000.

FORECAST LATE – 0

None.